

FINKEL'SHTEYN, David Naumovich; RYABCHIKOV, D.I., otv. red.;
CHEPIGO, K.V., red.

[Pure substance] Chistoe veshchestvo. Moskva, Nauka,
(MIRA 19:1)
1965. 167 p.

1. Chlen-korrespondent AN SSSR (for Ryabchikov).

L 12106-66 EWT(m)/EWP(t)/EWP(b)

ACC NR: AT5026382

IJP(c) JD/JG/GS

SOURCE CODE: UR/0000/65/000/000/0274/0293

AUTHOR: Ryabchikov, D. I. (Corresponding member AN SSSR); Senyavin, M. M.; Sklyarenko, Yu. S.

55

39
B+1

ORG: None

TITLE: Complex compounds of rare earth elements and their uses in the production
and analysis of pure rare earth elements

SOURCE: AN SSSR. Institut geokhimii i analiticheskoy khimii. Sovremennyye
metody analiza; metody issledovaniya khimicheskogo sostava i stroyeniya veshchestv
(Modern methods of analysis; methods of investigating the chemical composition
and structure of substances), 274-293

TOPIC TAGS: complex molecule, rare earth, ion exchange chromatography, paper
chromatography, metal extracting, crystallization, rare earth element

ABSTRACT: The article reviews the authors' research in the field of rare earth
complex compounds. Results of reported studies of the composition, structure, and selection
stability of these compounds are presented. The chemical mechanism and selection
of conditions of separation of rare earth mixtures are discussed at length in
relation to fractional crystallization, extraction, partition chromatography, ion

Card 1/2

L 9803-36

ENT(m)/EIC/EPF(n)-2/EWG(m)/EWP(j)/T/EWP(t)/EWP(d)

EWP(d)/EWP(d)

ACC NR:

AT5026383 GS/RM

SOURCE CODE: UR/0000/65/000/000/0294/0311

10

55

55

55

AUTHOR: Yermakov, A. N.; Marov, I. N.; Belyayeva, V. K.; Ryabchikov, D. I.
(Corresponding member AN SSSR) 55

68

C+1

ORG: None

TITLE: Study of the complexing of zirconium and hafnium in solutions by the ion exchange
method 21 21

SOURCE: AN SSSR. Institut geokhimii i analiticheskoy khimii. Sovremennyye metody
analiza; metody issledovaniya khimicheskogo sostava i stroyeniya veshchestv (Modern
methods of analysis; methods of investigating the chemical composition and structure of
substances), 294-311

TOPIC TAGS: zirconium, hafnium, zirconium compound, hafnium compound, ion exchange,
chemistry technique, analytic chemistry

ABSTRACT: Despite the growing interest in the chemistry of zirconium and hafnium, few
studies have been performed on their complexing with organic and inorganic substances.
There are only few determinations of the composition and stability constants of complex
compounds of zirconium, and no analogous data for hafnium. New methods of investigation
have made possible a more thorough approach to the study of processes of complexing of
zirconium and hafnium with various substances in solutions. The present review article gives
the results of some of the experiments conducted by the authors on the equilibrium reactions

UDC: 543.06

Card 1/2

L 9803-66

ACC NR: AT5026383

of complexing of ions of zirconium and hafnium with inorganic and organic ligands. The behavior of these elements in sulfate, nitrate, and chloride solutions are studied. Oxalic acid, several carbonic and hydroxycarbonic acids, and other complexes were extracted from the organic substances. The authors used the ion exchange method to determine the compositions and the stability constants. Soviet ionites (KU-2 cationite and the EDE-10P anionite)¹⁵ were used in the experiments. Orig. art. has: 8 figures and 11 tables.

SUB CODE: 07 / SUBM DATE: 05Jul65 / ORIG REF: 030 / OTH REF: 032

Card 2/2

L 8892-66 EWT(m)/EWP(b)/EWP(t) IJP(c) JD

ACC NR: AT5026384

SOURCE CODE: UR/0000/65/000/000/0327/0333

AUTHOR: Ryabchikov, D.I. (Corresponding member AN SSSR); Pozdnyakov, A.A.

ORG: none

TITLE: Studies in the field of the analytic chemistry of technetium

SOURCE: AN SSSR. Institut geokhimii i analiticheskoy khimii. Sovremennyye metody analiza; metody issledovaniya khimicheskogo sostava i stroyeniya veshchestv (Modern methods of analysis; methods of investigating the chemical composition and structure of substances), 327-333

TOPIC TAGS: technetium, rhenium, molybdenum, ruthenium, solvent extraction, chemical separation, analytic chemistry.

ABSTRACT: It is necessary to study some of the chemical and physicochemical properties of technetium (which has several interesting properties, such as inhibiting action and superconductivity) in connection with the problem of the preparation of technetium, particularly the properties which could be used in analytical chemistry. As a result of the investigations conducted in recent years in GEOKhI AN SSSR new methods were developed

Card 1/2

UDC 543.06

L 8892-66

ACC NR: AT5026384

for the concentration, separation from neighboring elements (rhenium, molybdenum, and ruthenium), and determination of technetium by employing extraction, chromatography, and spectrophotometry. A study was also made of its different valence states. In addition to some data published earlier, the present article reports some new results on the analytical chemistry of technetium. A study of the extraction of technetium by means of organic cations of the guanidine class made possible the development of a fast and effective method for the extraction of this element in the form of triphenylguanidine-pertechnetate from sulfuric acid solutions. Furthermore, technetium is separated almost completely from ruthenium, which, under these conditions, is not extractable either in the form of Ru^{3+} , Ru^{4+} , or in the form of nitrocomplexes. It is shown that technetium and rhenium are extractable with high distribution coefficients in the entire range of acid concentration studied, whereas molybdenum is extracted to a substantially lesser degree. This fact may be used to develop a method of extraction separation of technetium and rhenium from molybdenum. Orig. art. has: 8 figures.

SUB CODE: 07 / SUBM DATE: 05Jul65 / ORIG REF: 005 / OTH REF: 003

Card 2/2 *ndc*

RYABCHIKOV, D.I.; LAZAREVA, V.I.; LAZAREV, A.I.

Determination of rhenium by the kinetic method. Zhur. anal. khim. 20 no.9:960-965 '65. (MIEA 18:2)

I. Institut geokhimii i analiticheskoy khimii imeni V.I. Vernadskogo AN SSSR, Moskva.

ROTSHTEYN, Andrey Andreyevich; KORZHINSKIY, D.S., akademik, otv. red.;
RYABCHIKOV, I. [translator]; MERGASOV, G.G., red. izd-va;
GOLUB', S.P., tekhn. red.

[Magmatic facies of ultrabasic igneous rocks of the Toleit series as revealed by the studies of peridotites in Dawros, Connemara (Eire), and Belhelvie, Aberdeenshire (Scotland)]
Magmatische fatsii ul'traosnovnykh izverzheniykh porod toleitovoi serii; na primere peridotitov Davrosa, Konnemara (Eire) i Bel'khelvi, Aberdinshaera (Shotlandiia). Moskva, Izd-vo Akad. nauk SSSR, 1962. 42 p. (MIRA 15:11)
(Ultrabasite)

VORONOV, F.D., prof.; SELIVANOV, N.M., kand.tekhn.nauk; RABINOVICH, Ye.I.,
kand.tekhn.nauk; UZIYENKO, A.M., inzh.; TKACHENKO, I.A., inzh.;
KUSTOBAYEV, G.G., inzh.; IVANOVA, N.G., inzh.; RYABCHIKOV, F.D., inzh.;
GRUZNOV, A.K., inzh.

Developing a technolog. for the casting and quality investigation
of 21-ton rimmed steel ingots. Stal' 22 no.8:709-713 Ag '62.
(MIRA 15:7)

(Steel ingots)

L 57523-65 EWT(d)/EWT(m)/EWA(d)/EWP(v)/EWP(k)/EWP(b)/EWP(t)/EWP(b)/EWP(1)/
EWA(c) Pf-4 JD/HW
ACCESSION NR: AR5013007

UR/0137/65/000/004/B009/D010
621.771.001

SOURCE: Ref. zh. Metallurgiya, Abs. 4D60

AUTHOR: Tarnovskiy, I. Ya.; Odinokov, Yu. I.; Antonov, S. P.; Posdnyev, A. A.;
Uriyenko, A. N.; Kuntobryev, G. G.; Chichigin, V. A.; Ryabchikov, F. D.; Sychkov,
B. D.

TITLE: Conditions for rolling large ingots on a slab mill

CITED SOURCE: Tr. Ural'skogo n.-i. in-ta chern. met., v. 3, 1964, 167-181

TOPIC TAGS: metal rolling, slab mill, rolling mill

TRANSLATION: The 1150 slab mill for rolling heavy UMS-21T ingots was studied. It was found that the degree of reduction could be increased while the number of passes was reduced. Optimally stable conditions for rolling heavy ingots in 23-25 passes were developed and introduced into industry. It was found that the most difficult conditions (rolling in 21 passes) leave a reserve for holding conditions. Further improvement is limited by the power of stand motors and strength of stand.

Card 1/2

L 57523-65

ACCESSION NR: AR5013007

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parts. It was found that motors with vertical rolls with a power of 4000-4500 kw may be installed on new mills. This will make rolling without side passes possible with intense compression of the side edges of slabs in the vertical rolls and will improve the quality of the rolled product. The investigations have not exhausted the possibilities of the 1150 mill. N. Yudina.

SUB CODE: 1G, MM

ENCL: 00

RP
Card 2/2

RYABCHIKOV, I.D.

New method for plotting P-T diagrams close to the invariant
points of boundary systems. Izv. AN SSSR. Ser. geol. 30
no. 10:136-140 O '65. (MIRA 18:12)

1. Institut geologii rudnykh mestorozhdeniy, petrografii,
mineralogii i geokhimii AN SSSR, Moskva. Submitted Febr.26,
1965.

RYABCHIKOV, I.D.; KORZHINSKIY, D.S.; MARAKUSHEV, A.A.; LEBEDEV, A.P.

Reviews. Izv. AN SSSR. Ser. geol. 30 no. 10:144-157 O '65
(MIRA 18:12)

1. Institut geologii rudnykh mestorozhdeniy petrografii, mine z-
logii i geokhimii AN SSSR, Moskva (for Ryabchikov, Korzhinskiy,
Marakushev). Submitted Febr. 24, 1964.

RYABCHIKOV, I.D.

New diagram for a bifeldspatic thermometer constructed by
the aid of the thermodynamic treatment of experimental data.
Dokl. AN SSSR 165 no.3:672-675 N '65. (MIRA 18:11)

1. Institut geologii rudnykh mestorozhdeniy, petrografii,
mineralogii i geokhimii. Submitted April 17, 1965.

RYABCHIKOV, I.D.

Effect of the nonequilibrium degree of the crystallization process
on the behavior of the element occurring as admixture. Geokhimiia
no.4:345-354 '60. (MIRA 13:10)

1. Department of Geochemistry, M.V. Lomonosov Moscow State
University. (Crystallization)

RYABCHIKOV, I.D.

Reports of Professor K.B.Krauskopf (U.S.A.) in the Institute of the
Geology of Ore Deposits, Petrology, Mineralogy, and Geochemistry of
the Academy of Sciences of the U.S.S.R. Geol.rud.mestorozh. no.3:
124-127 My-Je '61. (MIRA 14:6)

(Geochemistry)
(Krauskopf, K.B.)

RYABCHIKOV, I.D.; SOLOV'YEVA, B.A.

Geochemistry of rubidium and lithium in micaceous pegmatites of northern Karelia. Geokhimiia no.4:316-323 '61. (MIRA 14:5)

1. Department of Geochemistry of M.V. Lomonosova Moscow State University.

(Karelia--Pegmatites)
(Rubidium)(Lithium)

RYABCHIKOV, I.D.

Using nonparametric tests in statistical processing of
geochemical data. Geokhimiia no.9:807-811 '61. (MIRA 15:2)

1. Institute of Geology of Ore Deposits, Petrology,
Mineralogy and Geochemistry.
(Trace elements)
(Geochemistry)

KOGARKO, L.N.; RYABCHIKOV, I.D.

Relationship between the content of halogen compounds in the gas phase and the chemistry of magmatic melt. Geokhimiia no.12:1068-1076 '61. (MIRA 15:3)

1. Vernadskiy Institut of Geochemistry and Analytical Chemistry, Academy of Sciences U.S.S.R., Moscow and the Institute of Ore Deposits, Petrology, Mineralogy and Geochemistry, Moscow.
(Halogen compounds) (Magma)

BORISENOK, L.A.; RYABCHIKOV, I.D.

Gallium in minerals of micaceous pegmatites in the Tedino deposit
[with summary in English]. Geokhimiia no.1:62-66 '62. (MIRA 15:2)

1. Lomonosov State University and the Institute of Ore Deposits,
Petrography, Mineralogy and Geochemistry, Academy of Sciences
of the U.S.S.R.

(Karelia—Gallium)(Karelia—Pegmatites)

RYABCHIKOV, I.D.

Thermodynamic calculation of the coefficients of the distribution
of isomorphic admixtures in silicate systems. Geokhimia
no.8:720-731 '62. (MIRA 15:9)

1. Institute of Geology of Ore Deposits, Mineralogy and
Geochemistry, Academy of Sciences, Moscow.
(Trace elements) (Silicates)

RYABCHIKOV, I.D.

Behavior of isomorphic admixtures in the course of crystallization
in a multicomponent system. Geokhimiia no.12:1046-1054 '62.

(MIRA 16:9)

1. Institute of Geology of Ore Deposits, Mineralogy, Petrology
and Geochemistry Academy of Sciences, Moscow.
(Trace elements) (Crystallization)

LEBEDEV, A. P.; RWABCHIKOV, I. D.

Three lectures by Professor L. Wager on the foliated intrusions
of basic and ultrabasic rocks. Izv. AN SSSR Ser. geol. 27 no.10:
124-126 0 '62. (MIRA 15:10)

(Rocks, Igneous)

RYABCHIKOV, I.D.; KOGARKO, L.N.

Effect of anion substitution on the acidity of magmatic melts.
Geokhimiia no.3:305-311 Mr '63. (MIRA 16:9)

1. Institute of Geology of Ore Deposits, Petrology, Mineralogy
and Geochemistry and V.I.Vernadsky Institute of Geochemistry
and Analytical Chemistry, Academy of Sciences of the U.S.S.R.,
Moscow.

(Anions) (Magma--Analysis)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446220016-5

BOGATIKOV, O.A.; RYABCHIKOV, I.D.

Doctor R.W. Boyle, Canadian geochemist visit the U.S.S.R. Izv.
AN SSSR Ser. geol. 28 no.9:119-120 S '63. (MIRA 16:10)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446220016-5"

I.D. RYABCHIKOV (USSR)

"Behaviour of trace-elements in the process of phase separation."

Report presented at the Conference on Chemistry of the Earth's Crust,
Moscow, 14-19 Mar 63.

RYARCHIKOV, I.D.

Experimental study of the distribution alkaline elements between
immiscible silicate and chloride melt. Dokl. AN SSSR 199 no. 5:1174
1977 Ap '63. (MIRA 16:5)

1. Institut geologii rudnykh mestorozhdeniy, petrografii,
mineralogii i geokhimi AN SSSR. Predstavлено akademikom
D.S.Korzhinskim.

(Chlorides) (Silicates)

RYABOSHKOV, Igor' Dmitrievich; ZHAIKOV, V.A., kand. geol.-miner. nauk, otd. red.

[Thermodynamic analysis of the behavior of minor elements during the crystallization of silicate melts] Termodynamicheskii analiz povedeniia malykh elementov pri kristallizatsii silikatnykh rasplavov. Moskva, Nauka, 1965, 118 p.
(MIRA 18·4)

MIKULINSKIY, A.S.; ZHUCHKOV, V.I.; PANFILOV, S.A.; RYABCHIKOV, I.V.

Obtaining alloys of manganese and silicon. Trudy Inst. met. UFAN
SSSR no.7:163-175 '61. (MIRA 16:6)

(Manganese alloys) (Sintering)

MIKULINSKIY, A.S.; RYABCHIKOV, I.V.

Making calcium and magnesium alloys with silicon. Izv.vys.ucheb.
zav., chern.met. 5 no.6:44-51 '62. (MIRA 15:7)

1. Institut metallurgii Ural'skogo filiala AN SSSR.
(Silicon-iron-magnesium alloys—Electrometallurgy)
(Calcium silicide) (Magnesium silicide)

S/149/63/000/001/003/008
A006/A101

AUTHORS: Ryabchikov, I. V., Mikulinskiy, A. S.

TITLE: Measuring the pressure of magnesium vapors over solid magnesium,
and Mg-Si and Mg-Ca-Si alloys

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Tsvetnaya metallurgiya,
no. 1, 1963, 95 - 99

TEXT: To complete and make more precise foreign and Soviet experimental data, the authors investigated Mg vapor pressure over the aforementioned materials using the Knudsen effusion method. Mg-vapor pressure was measured over magnesium, refined in a vacuum in a 685 - 791°K range. The following standard value for the enthalpy of Mg sublimation was found: $\Delta H_{2980}^{\text{subl}} = 35.100 \text{ kcal/g}\cdot\text{atom}$.

Si-Mg alloys with 71.3, 64.1 and 6.33 at% Mg were investigated. It was found that an alloy with 64.1 at% Mg is characteristic of the thermochemical properties of Mg silicide. Vapor pressure over this alloy in the 845 - 953°K varies with temperature according to equation $\lg p = -\frac{9.700}{T} + 6.380$ (3). The presence

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s/149/63/000/001/003/008
A006/A101

Measuring the pressure of,,,

of Ca in the alloys has practically no effect upon the pressure of Mg vapor over alloys containing approximately equal amounts of Mg. On the basis of data on Mg vapor tension over pure metal and Mg silicide, the temperature dependence of changes in the isobar-isothermic potential can be found for the formation of magnesium silicide from the elements. It follows from equation $Z_T^{\circ} = -20.1 + 5.5 T$ (7) that for the investigated temperature range standard enthalpy and entropy values of Mg silicide formation are respectively 20.0 kcal/mole and 5.24 kcal/mole-degree. Standard entropy of Mg_2Si is 14.80 cal/mole-degree. This article was recommended for publication by the Kafedra metallurgii legkikh metallov Ural'skogo politekhnicheskogo instituta (Department of Light-Metal Metallurgy at the Ural Polytechnic Institute). There are 4 figures.

ASSOCIATION: Chelyabinskii nauchno-issledovatel'skiy institut metallurgii i UFAN SSSR (Chelyabinsk Scientific Research Institute of Metallurgy and UFAN USSR)

SUBMITTED: May 4, 1962

Card 2/2

RYABCHIKOV, I.V.; MIKULINSKIY, A.S.

Conditions for the reduction of magnesium oxide by silicon during
the smelting of magnesium addition alloys. Izv. AN SSSR. Otd. tekhn.
nauk. Met. i gor. delo no.2:9-12 Mr-Ap '63. (MIRA 16:10)

RYABCHIKOV, I.V. (Chelyabinsk); KHRUSHCHEV, M.S. (Chelyabinsk); MAXIMOV,
Yu.S. (Chelyabinsk)

Kinetics of silica reduction with graphite. Izv. AN SSSR. Met.
i gor. delo no.6:58-63 N-D '64. (MIRA 18:3)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446220016-5

БУМАНКА, Е.А.; АРЧИКОВ, Н.Н.; МАЛИКОВ, Р.С.; ЧЕРНОУВЕНКИЙ, Я.С.

Thermodynamics of the reactions of silicon carbide with silicon
and calcium oxide. Zhur. prikl. khim. 37 no.9:2050-2052. 5 '64.
(MIRA 17:10)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446220016-5"

RYABCHIKOV, I.V.; KHRUSHCHEV, M.S.; MAKSIMOV, Yu.S.; GOROKH, A.V.; RUSAKOVA, A.G.

Conditions for the formation of silicon during the reduction of silica
by carbon. Dokl. AN SSSR 158 no.2:427-428 S '64.

(MIRA 17:10)

I. Chelyabinskij nauchno-issledovatel'skiy institut metallurgii. Pred-
stavlenie akademikom S.I. Vasil'evichem.

RY-BORISOV, I.N. [Rybchikov, I.N.]

Mass-spectroscopic study of degassing of molybdenum, tungsten, and niobium when heated in a vacuum. Ukr. fiz. zhur. 9 no. 3:293-302 Mr '64.

Determining the diffusion coefficients for hydrogen and CO in nickel by a mass spectrometer. Ibid.:303-308 (MIRA 17:9)

I. Fiziko-tehnicheskiy institut AN UkrSSR, Khar'kov.

5.2100 (A)

66178

5(4) AUTHORS: Amonenko, V. M., Ryabchikov, L. N., Tikhinskiy, G. F., Finkel', V. A.

SOV/20-128-5-32/67

TITLE: On the Mechanism Underlying the Evaporation of Beryllium in
High VacuumPERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 5, pp 977-978
(USSR)ABSTRACT: Wide application of beryllium in engineering is presently being restricted by the low degree of plasticity of this metal which results from impurities, especially from oxygen that attains a content of 0.1% approximately. The authors investigated the evaporation of Be to detect the origin of this oxygen content. They used an MS-1 mass spectrometer at a vacuum of 10^{-6} mm torr and various temperatures. Figure 1 shows that at 1,265 C mass 18 is predominant which corresponds to the dimer B_2 . At higher temperatures, the peak of mass 9 begins to predominate in the spectrogram. At temperatures of above 1,300 C, a peak of mass 34 occurs in addition to the ions Be^+ , Be_2^+ and BeO^+ , which was radiographically identified to be Be_2O (Table 2). It is of some importance that Be_2O is formed only in the presence of metallic Be, and not by the heating of pure BeO , for example. This suboxide

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On the Mechanism Underlying the Evaporation of Beryllium SOV/20-128-5-32/67
in High Vacuum

is more volatile than BeO, and effects the addition of oxygen to Be when the metal is distilled in BeO pots. The authors thank B. G. Lazarev for valuable advice. There are 1 figure, 1 table, and 6 references, 3 of which are Soviet.

ASSOCIATION: Fiziko-tehnicheskiy institut Akademii nauk USSR, g.Khar'kov
(Institute of Physics and Technology of the Academy of Sciences
of the Ukr SSR, Khar'kov Town)

PRESENTED: June 6, 1959 by G. V. Kurdyumov, Academician

SUBMITTED: June 3, 1959

Card 2/2

S/126/60/010/004/023/025
E032/E514

AUTHORS: Ryabchikov, L.N. and Tikhinskiy, G.F.

TITLE: Mass Spectrometric Study of the Sublimation of
Beryllium Chloride ✓

PERIODICAL: Fizika metallov i metallovedeniye, 1960,
Vol. 10, No. 4, pp. 635 - 636

TEXT: Beryllium chloride was evaporated from a molybdenum evaporator through apertures 0.08 to 0.2 mm in diameter. The oven temperature was between 496 and 578 K and the flow of vapour through the aperture was effusive. The evaporator was heated by a molybdenum spiral wound on a quartz insulator and the temperature was measured by a chromel-alumel thermocouple. The following ions were detected in the mass spectrum of the vapour: BeCl_2^+ , BeCl^+ , Be_2Cl_3^+ , Be_2Cl_4^+ , Be^+ , Cl^+ and also HCl^+ . The presence of the latter ions was due to the hydrolysis of the beryllium chloride while it was being loaded into the evaporator and inserted into the mass spectrometer. The relative ion currents obtained in one of the experiments are given in the following table:

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S/126/60/010/004/023/023
EO32/E51⁴

Mass Spectrometric Study of the Sublimation of Beryllium Chloride

T, °K	Ions					
	BeCl_2^+	BeCl^+	Be_2Cl_3^+	Be_2Cl_4^+	Be^+	Cl_2^+
524	273	135	1.5	-	32	-
540	700	330	5	1.2	82	1.6
568	2640	935	18	4	310	5

In the experiments in which the above figures were obtained the diaphragm diameter was 0.1 mm and the ionising voltage was 50 V. It was found that the vapour above the beryllium chloride consisted of a mixture of monomeric BeCl_2 molecules and dimeric Be_2Cl_4 molecules. The fraction of the dimeric molecules in the temperature range 496 to 578 °K was found to be about 0.5 - 1.5% of the total number of molecules and was found to

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S/126/60/010/004/023/025
E032/E514

Mass Spectrometric Study of the Sublimation of Beryllium Chloride

increase with temperature. The heats of sublimation for monomeric and dimeric molecules of beryllium chloride were found to be 54 ± 1 kcal/mol and 44 ± 1 kcal/mol, respectively. The disassociation energy of the dimer calculated from the heats of sublimation was found to be 24 ± 2 kcal/mol. There are 1 figure, 1 table and 8 references: 1 German, 3 Soviet and 4 English.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN SSSR
(Physico-technical Institute, AS USSR)

SUBMITTED: May 9, 1960

Card 5/3

AMONENKO, V.M.; RYABCHIKOV, L.N. [Riabchikov, L.M.]; TIKHINSKIY, G.F.
[Tykhins'kiy, H.F.]

Effect of adsorbed gases on the vaporization rate of zinc
and magnesium. Ukr. fiz. zhur. 9 no.1:75-80 Ja '64.
(MIRA 17:3)

1. Fiziko-tehnicheskiy institut AN UkrSSR, Khar'kov.

ACCESSION NR: AP4022701

S/0185/64/009/003/0303/0308

AUTHOR: Ryabohykov, L. M. (Ryabchikov, L. N.)

TITLE: Determination of the diffusion coefficients of hydrogen and carbon monoxide in nickel by mass-spectrometric means

SOURCE: Ukrayins'kyi fizichnyi zhurnal, v. 9, no. 3, 1964, 303-308

TOPIC TAGS: mass spectrometer MS-2, oil diffusion pump MM-40, liquid nitrogen vapor trap, mass-spectrometric measurement, metal out-gassing, nickel out-gassing, carbon monoxide diffusion, hydrogen diffusion, gas-metal diffusion

ABSTRACT: The diffusion coefficients of hydrogen and carbon monoxide in nickel over the temperature range 970-1320°C were determined by their out-gassing rate in vacuum. A magnetic mass spectrometer MS-2 was used; its source chamber was pumped by a MM-40 oil diffusion vacuum pump with a liquid nitrogen trap; partial pressures were assumed to be proportional to ion currents, the constants of proportionality having been determined by pre-calibration with H₂, O₂, N₂ and CO. Quantitative results for the diffusion coefficient of hydrogen are expressed by the empirical equations:

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ACCESSION NR: AP4022701

$$D(\text{cm}^2/\text{sec}) \approx 0.0055 \exp \left[-\frac{8920 \text{ (cal/mole)}}{RT \text{ (deg K)}} \right],$$

The limits of error being

$$D_0 = (0.0055 \pm 0.0018) \text{ cm}^2/\text{sec}$$

$$\Delta E = (8920 \pm 700) \text{ cal/mole.}$$

Qualitatively, D for CO was close to D for carbon as obtained by other authors, which tends to verify the conclusion of C. J. Smithells and C. S. Ransley (Proc. Roy. Soc., A155, 195, 1936) that the evolution of CO is due to carbon diffusion followed by its oxidation. Detailed quantitative observations for CO were difficult due to its slow evolution. Orig. art. has: 3 tables, one graph and 8 numbered equations.

ASSOCIATION: Fizy*ko-Tekhnichny*y Insty*tut AN Ukr SSR, Kharkov (Physico-Technical Institute AN UkrSSR)

SUBMITTED: 25Jul63

DATE ACQ: 08Apr64

ENCL: 00

SUB CODE: CH, PH

NO REF Sov: 002

OTHER: 010

Card 2/2

L 14466-65 EWT(m)/EPF(n)-2/EWP(t)/EWP(b) PI-4 AEDC(a)/ASD(f)-2/ESD(t)/ESD(gs)
AFTC(p)/ASD(m)-3 JD/JG S/0185/64/009/003/0293/0302
ACCESSION NR: A14022700

AUTHOR: Ryabchikov, L. M. (Ryabchikov, L. N.)

TITLE: Mass-spectrometric investigation of the degassing of molybdenum, tungsten, and niobium by application of heat in a vacuum

SOURCE: Ukrayins'kyi fizichnyi zhurnal, v. 9, no. 3, 1964,
293-302

TOPIC TAGS: molybdenum outgassing, tungsten outgassing, niobium outgassing, vacuum outgassing, hydrogen elimination, carbon monoxide elimination, oxygen elimination

ABSTRACT: The basic components of the gas emanating from molybdenum, tungsten, and niobium, heated in a vacuum above 1000°C, were investigated by the mass spectrometric method described in detail by the author in a previous article in the same journal. These components are hydrogen and carbon monoxide. The rates of degassing at various temperatures were determined from the changes in pressure in the degassing chamber by the mass spectrometer, and the diffusion con-

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L 11466-65

ACCESSION NR: A14022700

D
In molybdenum $D = 0.158 e^{-22200/RT}$
In tungsten $D = 0.081 e^{-19800/RT}$
In niobium $D = 0.056 e^{-19200/RT}$

In the case of a textured structure in molybdenum, the degassing rate was higher than would be predicted from the diffusion rate. This was associated with the diffusion of hydrogen along the grain boundaries. The rate of removal of carbon monoxide was also significantly higher than the diffusion rate of carbon and oxygen in the metals under investigation. This was explained by the distribution of car-

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L 14466-65

ACCESSION NR: AF 022700

bide and oxide phases mainly at the grain boundaries and by the diffusion of carbon, oxygen, and the resulting carbon monoxide along the boundaries. At temperatures above 1800°C, emanation of oxygen from niobium was observed. It was concluded that the controlling process for elimination of oxygen from niobium at temperatures above 2000°C is the diffusion process. The diffusion coefficients of oxygen in niobium at temperatures of 2145, 2240, and 2350°C were determined from the degassing rate and found to be 8.9×10^{-5} , 2.0×10^{-5} , and $24.7 \times 10^{-5} \text{ cm}^2/\text{sec}$, respectively. Orig. art. has: 8 tables, 4 figures, and 6 formulas.

ASSOCIATION: Fizy*ko-tehnichny* insty*tut AN URSR, Kharkov
(Institute of Physics and Technology, AN UkrSSR)

SUBMITTED: 25 Jul 63

ENCL: 00

SUB CODE: MM

NO REF SOV: 003

OTHER: 012

Card 3/3

PEREDNYA, Ivan Nikolayevich, serzhant; RYABCHIKOV, Mikhail Nikolayevich,
montazhnik chetvertogo razryada; MURAV'YEV, A.I., polkovnik,
red.; CHAPAYEVA, R.I., tekhn. red.

[We are soldiers doing construction work] My - voennye stroiteli.
Moskva, Voenizdat, 1962. 48 p. (MIRA 16:3)
(Russia—Army--Military life)
(Construction workers)

RUMYANTSEV, V.Ya., inzhener; GINZBURG, L.N., inzhener; RYABCHIKOV, M.Ya.,
inzhener; ANDRZHHEYEVSKIY, A.M., inzhener.

Mechanization of block peat production during 1953 by enterprises
of the Main Administration of the Peat Industry. Torf.prom. no.2:
6-15 '54. (MLRA 7:3)

1. Petrovsko-Kobelevskoye torfopredpriyatiye (for Rumyantsev).
2. Sverdlovskiy torfotrest (for Ginzburg). 3. Chernoramenskiy
torfotrest (for Ryabchikov). 4. Orehovskoye torfopredpriyatiye
(Peat industry)
(for Andrzheyevskiy).

RYABCHIKOV, ENG. M. Ya.

Peat Industry

Mechanization of the removal of turf at the Chernoramen peat enterprises.
Turf. prom. 30 nc. 2, 1953

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

RYABCHIKOV, M.Ya., inzh.

Shifting peat enterprises from the hydro peat method to the milled
peat method. Torf.prom. 34 no.6:7-8 '57. (MIRA 10:12)

1. Chernoramenskiy torfotrest.
(Peat industry)

SHPITSMAKHER, O.A., inzhener; RYABCHIKOV, M.Ya.; POLIKARPOV, A.A., inzhener;
GAMYGIN, L.A., inzhener.

Concerning the work of MPT machines in moving drainage pipes during the 1953
season. Torf.prom. vol. 30 no.11:7-14 N-D '53. (MLRA 6:11)

1. Karinskoye torfopredpriyatiye (for Shpitamakher). 2. Chernoramenskiy
torfotrest (for Ryabchikov). 3. Orekhovo-Zuyevskiy torfotrest (for Polikar-
pov). 4. Shaturskiy torfotrest (for Gamygin). (Peat industry)

RYASCHIKOV, M. YA.

Peat Bogs

Increasing the yield of peat from drying fields., Torf. prom., 29, no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952, Uncl.

RYAECHIKOV, M. Ya.

①
✓ 57. MECHANIZATION OF COLLECTING SOO PEAT IN PEAT WORKS OF
CEPHORAIPEK PEAT TRUST. Ryabchikov, M. Ya. (Tof. Prom. (Peat Ind.,
Moscow), Feb. 13, 4-6).

BLAGONRAOV, S.I.; BREK, B.M.; BYAKOV, P.T.; VIKTOROV, V.S.; VAGANOV,
V.I.; GUSEV, S.A.; GLEBOV, V.V.; GURILEV, A.M.; DANILOV, G.D.;
ZAV'YALOV, V.G.; IOFFE, Ye.F.; IZVEKOV, G.M.; KONOVALOV, S.A.;
KULIGIN, A.S.; KASATKIN, A.P.; KUZNETSOV, N.I.; LEBEDEV, A.I.;
LEMPERT, Ye.N.; MARGEVICH, Ya.I.; MAYZEL', M.A.; MITYAKOV, V.S.;
NOSKOV, M.M.; RYABCHIKOV, M.Ya.; RATSMAN, N.I.; TVOROGOV, M.K.;
UGOL'NIKOV, V.Ya.; KHAR'KOV, G.I.; CHADOV, S.L.

Lev Mil'evich Matveev; obituary. Torf. prom. 38 no.4:38 '61.
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TARASEVICH, Vladimir Fedorovich; RYAECHIKOV, N., red.; ZEN'KO, M.,
tekhn. red.

[In order to have a profitable farm] Chtoby khoziaistvo
bylo rentabel'nym. Minsk, Gos.izd-vo sel'khoz.lit-ry BSSR,
(MIRA 16:12)
1963. 40 p.
(State farms—Management)

POBROLYUBOV, Nikolay Nikolayevich; KYABCHIKOV, N., red.

[Design and construction of drilled wells] proektirovaniye
i stroyitel'stvo burovых колодцев. Minsk, Urozhai, 1964
28 p.

(MIRA 19:1)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446220016-5

MERLO, Anna Stanislavovna; RYABCHIKOV, N., red.

[Advice to floriculturists] Sovety tsvetovodam. Minsk,
Urozhai, 1965. 210 p. 42 plates. (MIRA 19:1)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446220016-5"

RYLOV, Valeriy Nikolayevich; RYABCHIKOV, N., red.

[Safety engineering in drainage construction work]
Tekhnika bezopasnosti gidromeliorativnykh rabot. Minsk,
Urozhai, 1965. 42 p.
(MIRA 18:6)

ROMANENKO, Aleksandr Mikhaylovich; RYABCHIKOV, N.L., red.

[Experiments in the mechanization of the construction of
drainage systems] Opyt mekhanizatsii stroitel'stva osusheni-
tel'nykh sistem. Minsk, Gos.izd-vo sel'khoz.lit-ry BSSR,
1962. 74 p. (MIRA 17:5)

VOYTIK, Nikolay Semenovich; YURCHENKO, Fedor Martynovich; RYABCHIKOV,
N.L., red.; TIMOSHCHUK, R.S., tekhn. red.

[Building materials at rural construction projects] Stroitel'nye materialy na sel'skikh stroikakh. Minsk, Izd-vo "Urozhai," 1963. 134 p. (MIRA 17:3)

SHCHITNIKOV, Petr Ivanovich; RYABCHIKOV, N.L., red.; ZUYKOVA, V.I.,
tekhn. red.

[Land improvement in the current seven-year plan] Melio-
ratsiia v tekushchem semiletii. Minsk, Gos.izd-vo sel'-
khoz. lit-ry BSSR, 1962. 32 p. (MIRA 15:11)
(White Russia--Drainage)

PECHKUROV, Andrey Fedorovich, doktor tekhn. nauk; RYABCHIKOV,
N.P., red.

[Stability of the beds of rivers and canals] Ustoichivost'
rusl rek i kanalov. Minsk, Izd-vo "Kirozhai," 1964. 411 p.
(MIRA 17:7)

RYABCHIKOV, P., inzh.

Lateral launching of a large tanker. Mor. flot 19 no.5:42-43
Mor. flot 19 no.5:42-43 My '59. (MIRA 12:7)
(Temse (Belgium)--Tank vessels--Launching))

RYABCHIKOV, P.

Engines for harbor tugs. Mor. flot 18 no.11:28-29 N '58.

(MIRA 11:12)

1.Glavnyy spetsialist "Soyuzmorprojekta."
(Marine engines) (Tugboats)

RYABCHIKOV, P., kandidat biologicheskikh nauk.

Wood pests. Sov.mor. 16 no.21:22-23 N '56.
(Wood--Diseases and pests)

(MLRA 10:1)

RYABCHIKOV, P., inzhener-korablestroitel'.

Determining the cost of passenger ships. Mor. flot 7 no.2:5-8
147. (Shipbuilding--Costs) (MLRA 9:6)

RYABCHIKOV, P., inzhener-korablestroitel'.

Thirty years of Soviet shipbuilding. Mor.flot 7 no.11:17-21 N '47.
(Shipbuilding--History) (MLPA 9:6)

RYABCHIKOV, P., inzhener

Speeds of new foreign ships and their engine types. Mor. flot 15
(MIRA 8:8)
no. 6-28-29 Je '55.
Marine engines) (Ships)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446220016-5

PYABCHIKOV, P., inzhener.

On the planning of vessels. Mor.flot 15 no.3:19-20 Mr '55.
(Naval architecture) (MIRA 8:5)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446220016-5"

RYABCHIKOV, P., inzhener.

Post-war development of the tanker fleet in capitalistic countries.
Mor. 1 rech.flot 14 no.8-3 of cover Ag '54. (MLRA 7:8)
(Tank vessels)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446220016-5

RYABCHIKOV, P.

Organization of sailing as a sport in Russia. Mor.i rech.flot 13 no.6:31
O '53. (MLRA 6:10)
(Yachts and yachting)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446220016-5"

RYAECHIKOV, P.

Fishing Boats

Care of fishing craft and their repair with means at hand aboard ship. V. A. Kuzminov.

Case of fishing craft and their repair with means at hand aboard ship. V. A. Kuzminov.

Reviewed by P. Ryaechikov. Vor. flot 13, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

BOGDANOV, B.V., inzhener-korabestroitel'; RYABCHIKOV, P.A., spetsaredaktor;
ANAN'IN, V.I., redaktor; STUDENETSAYA, V.A., tekhnicheskiy redaktor.

[Yawning of sea barges] O rysklivosti morskikh barzh. Moskva, Vod-
transizdat, 1953. 57 p.
(Barges)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446220016-5

RYABCHIKOV, P.A.

Ryabchikov, P.A.

"Seagoing Ships"

All-Union Scientific and
Technical Society of Water
Transport Engineers

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CIA-RDP86-00513R001446220016-5"

BOGDANOV, Boris Vladimirovich; PETROV, Mikhail Kliment'yevich; NELIDOWA, E.S.,
redaktor; RYABCHIKOV, P.A.; VOLKOVA, Ye.D., tekhnicheskiy redaktor

[Marine towing] Morskaia buksirovka. Moskva, Izd-vo "Morskoi transport"
1955. 370 p. (MLRA 9:1)

(Towing)

BUKHANOVSKIY, I.L., redaktor; ZHUDRO, A.K., redaktor; RYABCHIKOV, P.A.,
redaktor; SEDOV, F.G., redaktor; SINITSYN, M.T., redaktor; SMIRNOV,
Ye.V., redaktor; SOLOV'YEV, I.F., redaktor; SUBBOTIN, A.P., redaktor;
CHERNOV, M.I., redaktor; DOBRONRAVOVA, S.M., redaktor izdatel'stva;
KRASNAYA, A.K., tekhnicheskiy redaktor

[Dictionary of marine and river terms] Slovar' morskikh i rechnykh
terminov. Moskva, Izd-vo "Rechnoi transport." Vol.2. N-IA. 1956.
285 p. (MLRA 10:1)

(Navigation--Dictionaries)

MIROSHNICHENKO, Il'ya Petrovich, kand. tekhn. nauk; RYABCHIKOV, P.A.,
retsenzent; OBERMEYSTER, A.M., red.; SERKO, G.S., red. izd-va;
LAVRENOVA, N.B., tekhn. red.

[Open-type, dry cargo, seagoing ships] Morskie sukhogruznye
suda otkrytogo tipa. Moskva, Izd-vo "Morskoi transport," 1962.
218 p.

(Freighters)

VISHNEPOL'SKIY, S.A., kand. ekon. nauk; BAYEV, S.M., inzh. putey soobshcheniya; BONDARENKO, V.S.; RODIN, Ye.D.; CHUVLEV, V.P.; TURETSKIY, L.S.; SMIRNOV, G.S.; SHAPIROVSKIY, D.B.; OBERMEYSTER, A.M.; SINITSIN, M.T.; KOGAN, N.D.; PETRUCHIK, V.A.; GRUNIN, A.G.; KOLESNIKOV, V.G.; MARTIROSOV, A.Ye.; KROTKIY, I.B.[deceased]; ZENEVICH, G.B.; MEZENTSEV, G.A.; KOLOMOYTSEV, V.P., kand. tekhn. nauk; ZAMAKHOVSKAYA, A.G., kand. tekhn. nauk; MAKAL'SKIY, I.I., kand. ekon. nauk; MITROFANOV, V.F., kand. ekon. nauk; CHILIKIN, Ya.A.; BAKAYEV, V.G., doktor tekhn. nauk, red. Prinimali uchastiye: DZHAVAD, Yu.Kh., red.; GUBERMAN, R.L., kand. ekon. nauk, red.; RYABCHIKOV, P.A., red.; YAVLENSKIY, S.D., red.; BAYRASHEVSKIY, A.M., kand. tekhn. nauk, red.; POLYUSHKIN, V.A., red.; BALANDIN, G.I., red.; ZOTOV, D.K., red.; RYZHOV, V.Ye., red.; BOI'SHAKOV, A.N., red.; VUL'FSON, M.S., kand. ekon. nauk, red.; DMITRIYEV, V.I., kand. ekon. nauk, red.; ALEKSANDROV, L.A., red.; LAVRENOVA, N.B., tekhn. red.

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(Merchant marine)

RYABCHIKOV, Petr Aleksandrovich; YERMAKOV, A.P., prof., red.; FEDOROV, V.P., red.; TIKHONOV, Ye.A., tekhn.red.

[Seagoing vessels; history of their development and modern types] Morskie suda; istoriya razvitiia i sovremenneye tipy sudov. Izd.2., dop. Pod red. A.P. Ermakova. Moscow, Izd-vo "Morskoi transport," 1959. 630 p. (MIRA 13:5)
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RYABCHIKOV, P.I.; SOLDATOVA, I.N.; YESAKOVA, S.Ye.; PETUKHOVA, T.A.

Beginning of settling of the Sea of Azov by some species of
shipworms of the family Teredinidae. Trudy Inst. okean., 70:
157-178 '63. (MIRA 17:7)

RYABCHIKOV, P.I.; NIKOLAYEVA, G.G.

Settling of the larvae of the wood borer *Teredo navalis* L.
(Mollusca, Teredinidae) and water temperature in Gelendzhik Bay
of the Black Sea. Trudy Inst. okean. 70:179-185 '63.
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GRINBART, S.B. [Hrinbart, S.B.]; RYABCHIKOV, P.I., [Riabchikov, P.I.]

Materials on the biology, distribution, and destructive activity
of shipworms (*Teredo navalis* L.) in the northwestern part of the
Black Sea. Nauk.zap.Od.biol.sta. no.1:140-152 '59. (MIRA 14:7)
(Black Sea—Shipworms)

YABUDINOV, P.I., NIKITIN, V.N., otvetstvennyy redaktor; PEREDEL'SHAYA, N.N.,
redaktor izdatel'stva; ASTAFIYeva, T.A., tekhnicheskiy redaktor

[Distribution of marine borers in Soviet waters] Rasprostranenie
drevotochtev v moryakh SSSR. Moskva, Izd-vo Akad.nauk SSSR,
1957. 228 p.

(MLRA 10:10)

(Marine borers)

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CIA-RDP86-00513R001446220016-5

RYABCHIKOV, P.I.; SOLDATOVA, I.N.; YESAKOVA, S.Ye.

First stage of the settlement of shipworms in the Sea of Azov.
Trudy Inst. okean. 49:147-155 '61. (MIIGA 15:1)
(Azov, Sea of--Shipworms)

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CIA-RDP86-00513R001446220016-5"

RYABCHIKOV, S.T.

ISAKOV, I.S., prof., admiral flota v otstavke, otv.red.; SHULEYKIN, V.V., akademik, inzh.-kapitan 1 ranga, zamestitel' otv.red. po II tomu; DEMIN, L.A., dotsent, kand.geograf.nauk, inzh.-kapitan 1 ranga, glavnnyy red.; ABAN'KIN, P.S., admiral, red.; VIZE, V.Yu., red.; GERASIMOV, I.P., red.; GLINKOV, Ye.G., inzh.-kontr-admiral, red.; DROZDOV, O.A., prof., doktor geograf.nauk, red.; ZOZULYA, F.V., vitse-admiral, red.; PAVLOVSKIY, Ye.N., akademik, general-leytenant meditsinskoy sluzhby, red.; POGOSYAN, Kh.P., prof., doktor geograf.nauk, red.; RUDOVITS, L.F., doktor geograf.nauk, red.; SKORODUMOV, L.A., kontr-admiral, red.; SHIRSHOV, P.P., akademik, red. [deceased]; BASHILOV, G.Ya., inzh.-kapitan 2 ranga, uchenyy sekretar'; SEREGIN, M.P., kapitan 1 ranga, red.kart; RYABCHIKOV, S.T., podpolkovnik, red.kart; YEGOR'YEVA, A.V., kand.geograf.nauk, red.kart; AVER'ANOVA, P.S., kand.geograf.nauk, red.kart; BUGORKOVA, O.S., red.kart; GAPONOVA, A.A., red.kart; DMITRIYEVA, T.V., red.kart; DOTSENKO, Ye.I., red.kart; KONYUKOVA, L.G., red.kart; KOMOLOVA, Ye.N., red.kart; LUKANOVA, L.S., red.kart; SMIRNOVA, V.G., kand.geograf.nauk, red.kart; CHECHULINA, Ye.P., red.kart; SHKOL'NIKOV, A.M., red.kart; GRIN'KO, A.M., tekhn.red.; IVANOVA, M.A., tekhn.red.; MOROZOVA, A.F., tekhn.red.

[Marine atlas] Morskoi atlas. Otv.red.I.S.Isakov. Glav.red. L.A. Demin. Izd. Morskogo general'nogo shtaba. Vol.2 [Physical geography] Fiziko-geograficheskii. Zamestitel' otv.red. po II tomu V.V. Shuleykin. 1953. 76 maps. (MIRA 12:1)

1. Russia (1923- U.S.S.R.) Voyenno-morskoye ministerstvo. 2. Chlen-korrespondent Akademii nauk SSSR (for Vize, Gerasimov).
(Ocean--Maps) (Harbors--Maps)

RYABCHIKOV, V.A.

Industrial effectiveness of using glued strengthenings for parts
in the sewing industry. Leg.prom. 17 no.4:47-48 Ap '57.
(MIRA 10:4)

1. Glavnnyy inzhener Moskovskoy shveynoy fabriki "Bol'shevichka".
(Clothing industry)

RYABCHIKOVA, V. P.

Ryabchikova, V. P. - "The Significance of *Bacillus sporogenes* in Experimental Gas Infection." L'vov State Medical Inst. L'vov, 1956 (Dissertation for the Degree of Candidate in Medical Sciences).

Sc: Knizhnaya Letopis', No. 10, 1956, pp 116-127

FEDOROV, V.S.; RYABCHIKOV, V.R.; POLYAKOV, I.S.; SOROKIN, N.I.; RYABYKH, P.M.;
NOVIK, N.G.; SLEPUKHA, T.F.; DRASHKOVSKIY, K.M.; LALABEKOV, S.K.;
AHEF'YEV, A.P.; YEVSTAF'YEV, V.V.; ZVEREV, A.P.; NERSESOV, L.G.;
GROSSMAN, E.I.; HERMAN, A.O.

Petr Aleksandrovich Smirnov, 1902-1958; obituary. Khim. i tekhn. topl.
(MIRA 11:12)
i masel. 3 no.12:68 D '58.
(Smirnov, Petr Aleksandrovich, 1902-1958)

SOV/65-58-12-16/16

AUTHORS: Fedorov, V. S; Ryabchikov, V. R; Polyakov, I. S;
Sorokin, N. I. et al.

TITLE: Smirnov, Petr Aleksandrovich.

PERIODICAL: Khimiya i Tekhnologiya Topliv i Masel, 1958, Nr 12,
pp 68 (USSR)

ABSTRACT: Petr Aleksandrovich Smirnov died on 28th September, 1958.
He was head of the technical section of Giproneftezavod
and worked in the petroleum refining industry for the
last 25 years. He developed a number of important
technical processes which are widely used in petroleum
refining plants, and also published many articles on
this subject. He received numerous decorations for his
outstanding work.

Card 1/1

USCOMM-DC-60.783

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Ryabchikov, Ye.

Top designer. Kryl. rod. 8 no.12:11-13 D '57.
(Iakovlev, Aleksandr Sergeevich)

(MIRA 10:12)

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CIA-RDP86-00513R001446220016-5"

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CIA-RDP86-00513R001446220016-5

Ryabchikov, Ye
RYABCHIKOV, Ye.

Model of aerosleighs. IUn.tekh. 2 no.1:76-77 Ja '58. (MIRA 11:1)
(Motor sledges--Models)

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RYABCHIKOV, Ye.

Image of a hero. Sov.foto 21 no.7:2-5 J1 '61. (MIRA 14:7)
(Gagarin, IUrii Alekseevich, 1934-)

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CIA-RDP86-00513R001446220016-5"

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CIA-RDP86-00513R001446220016-5

RYABCHIKOV, Yevgeniy

Let's create photographic publicity for the seven-year plan.
Sov.foto 20 no.6:14-15 Je '60. (MIRA 13:7)
(Photography, Journalistic)

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CIA-RDP86-00513R001446220016-5

RYABCHIKOV, Yevgeniy

Present day trends. Sov.foto 20 no.2:2-4 F '60.
(MIRA 13:7)
(Photography—Exhibitions)

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CIA-RDP86-00513R001446220016-5"

RYABCHIKOV, Ye.F.; STAKHURSKIY, A.Ye., red.; ARKHAROVA, L.Ya., otv.
red.; SHCHEPTEVA, T.N., tekhn. red.

[Self-propelled model of a motor grader] Samokhodnaia model'
avtogradiera. Moskva, Izd-vo "Detskiy mir," 1962. 1 fold. 1.
(Prilozhenie k zhurnalu "IUrnyi tekhnik," no.2(116))
(MIRA 15:1)

1. TSentral'naya stantsiya yunykh tekhnikov, Moscow. 2. Zave-
duyushchiy laboratoriyye TSentral'noy stantsii yunykh tekhnikov,
Moskva (for Ryabchikov).
(Graders (Earth-moving machinery))—Models)

85-57-12-12/29

AUTHOR: Ryabchikov, Ye.

TITLE: Designer General (General'nyy konstruktor)

PERIODICAL: Kryl'ya rodiny, 1957, Nr 12, pp 11-13 (USSR)

ABSTRACT: The author gives a detailed biographical sketch of the career of Aleksandr Sergeyevich Yakovlev, 50, twice Hero of the Soviet Union, Colonel General of the Engineering and Technical Services, Designer General, and head of a large office of airplane designers. Personalities mentioned include S.V. Il'yushin and V.S. Pyshnov, the pilot Yulian Ivanovich Piontkovskiy, and the mechanic Aleksey Anisimovich Demeshkevich. There are eleven photographs.

AVAILABLE: Library of Congress

Card 1/1 1. Biography

RYABCHIKOV, Ye. [Riabchikov, YE.]

Lenin was here. Znan. ta pratsia no.4:1-3 Ap '63.
(MIRA 16:6)
(Lenin, Vladimir Il'ich, 1870-1924—Homes and haunts)

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RYABCHIKOV, Ye.

Small relay. IUn.tekh. 6 no.4:79-80 Ap '62. (MIRA 15:6)
(Electric relays)

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